

underlined = deleted in targeting construct

[]= sequence flanking Neo insert in targeting construct

[TCCATGCTGCACTGTGTGGCCAACCCCATCCTCTAC] AACTTTCTCAGCCCCGAGCTTCC
GGGGCCGACTGCTGAGCCTTGTGGTTCGTTACCTTCCCAAGGAGCAGGCCAGGGCAGCAG
GTGGTCGTGCCCTCCTCTTC [TTCTTCCACCCAGCACTCCATCATCATTACCAAAGAGGGC
AGCCTGCCCCGCTGCAGCGGATCTCCACACCCACCCCATCCGAAACGTTCAGGCGTCTCT
CCGCC'TCCAAACACCTCACC'TACACTCTGCAATTCCGTAGCCAGCTAAGGTAGACTCTAG
CTTCC'TCCACCAATAAGAAAGTTCAGAGGGGGATGCGAGAGGTCTGTGGGAGGGGGTGGG
AAGGACTGGCTTGTTTCAGGGCCAATTTAAGTATATCAAAACGTTGCTGTGGGGAGAGGGA
AACGGTTCGGGAAGGACAGAGAATGGATCTTTCCTTGATAGTACACTATTTGTTTGGGTA
CTGATGTCTAAGGGAGCCACACCGGTGGGGCGTGGGGGGTGGGGAAGCG]

FIGURE 2A

109020" 6750060

Gene Sequence Structure
*

37 bp

Sequence Deleted

137 bp

Size of partial cDNA: 526 bp



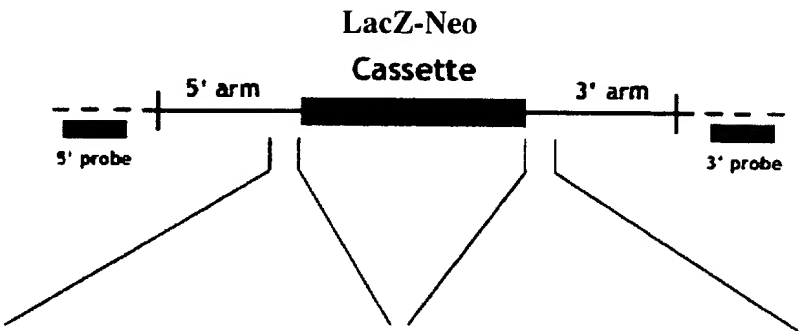
Targeting Vector* (genomic sequence)

Construct Number: 3267

Arm Length: .

5': 2.5 kb

3': 1.8 kb



<p>5'>GGCGCCACTGCCTGTTGATGT GGGCTTACATAGTTGTCTTTGCCA TCTGCTGGCTGCCCTACCAAGTGA CTATGCTGCTGCTCACTCTGCACG GGACCCACATCTTCCTCCACTGTC ACCTGGTTAACCTTCTCTACTTCT TCTACGAAATCATCGACTGCTTTT CCATGCTGCACTGTGTGGCCAACC CCATCCTCTAC<3' (SEQ ID NO:2)</p>	<p>5'>TTCTTCCACCCAGCACTCCAT CATCATTACCAAAGAGGGCAGCCT GCCCCTGCAGCGGATCTCCACAC CCACCCATCCGAAACGTTTCAGGC GTCCTCTCCGCCCTCCAAACACCTC ACCTACACTCTGCAATTCTGTAGC CAGCTAAGGTAGACTCTAGCTTCC TCCACCAACAAGAAAGTTCAGAGG GGGATGCGAGA<3' (SEQ ID NO:3)</p>
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Targeting Vector

Endogenous Locus

Not drawn to scale

FIGURE 2B